

WHAT IS CLAIMED IS

1. A thermoplastic molding composition comprising a polycarbonate resin, nanoclay in an amount of 0.1 to 20 percent relative to the weight of the polycarbonate and about 1 to 20 percent relative to the weight of the nanoclay of a carboxylic acid, said nanoclay having an average platelet thickness ranging from about 1 to 100 nm, and an average length and average width each independently one of the other ranging from about 50 nm to about 700 nm.
2. The thermoplastic molding composition of Claim 1, wherein the amount of the nanoclay is 0.1 to 15 percent.
3. The thermoplastic molding composition of Claim 1, wherein the nanoclay is natural montmorillonite modified with a quarternary ammonium salt or a quarternary phosphonium salt.
4. The thermoplastic molding composition of Claim 3, wherein the quarternary ammonium salt is based on at least one member selected from the group consisting of dimethyl, dihydrogenated tallow with a chloride as a counter anion and dimethyl, hydrogenated tallow, 2-ethylhexyl with methyl sulfate as a counter ion.
5. The thermoplastic molding composition of Claim 1, wherein the carboxylic acid is aliphatic.
6. The thermoplastic molding composition of Claim 1, wherein the carboxylic acid is citric acid.

7. The thermoplastic molding composition of Claim 1, wherein the amount of a carboxylic acid is 5 to 15 percent relative to the weight of the nanoclay.

5 8. The thermoplastic molding composition of Claim 1, wherein the amount of a carboxylic acid is 8 to 12 percent relative to the weight of the nanoclay.

9. The thermoplastic molding composition of Claim 1, wherein
10 the nanoclay is a member selected from the group consisting of montmorillonite, hectorite and synthetic fluoremica.

10. The thermoplastic molding composition of Claim 9, wherein the nanoclay is montmorillonite.

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